APPENDIX A
Table 7
DEFAULT VALUES FOR CALCULATING MEDIUM-SPECIFIC CONCENTRATIONS FOR LEAD

[Input Values Used in UBK Model for Lead] [(for residential exposure scenario)]			
[Geometric Standard Deviation] [(GSD)]	[1.42] [(default)]	[Drinking water intake]	[Model default]
[Outdoor air lead concentration]	[0.2 µg/m³] [(default)]	[Soil lead level]	[495 µg/g]
[Indoor air lead concentration] [(% of outdoor)]	[30]	[Indoor dust lead level]	[495 µg/g]
[Time spent outdoors]	[Model default]	[Soil/dust ingestion weighting factor] [(%)]	[45]
[Ventilation rate]	[Model default]	[Paint lead intake]	[Model default]
[Lung absorption]	[Model default]	[Maternal contribution method]	[Infant model]
[Dietary lead intake]	[Model default]	[Mother's blood lead at birth]	[7.5 µg/dL blood] [(model default)]
[GI method/bioavailability]	[Non-linear]	[Target blood lead level]	[10 µg/dL blood]
[Lead concentration in drinking water]	[4.00 µg/L] [(default)]		

[Input Values Used in SEGH Equation] [(for nonresidential exposure scenario)]	
[Concentration of lead in soil (S)]	[987 µg/g]
[Target blood lead level in adults (T)]	[20 µg/dL blood]
[Geometric standard deviation of blood lead distribution (G)]	[1.4]
[Baseline blood lead level in target population (B)]	[4 µg/dL blood]
[Number of standard deviations corresponding to degree of protection required for the target population (n)]	[1.645 (for 95% of population)]
[Slope of blood lead to soil lead relationship (δ)]	[7.5 µg/dL blood per µg/g soil]

[REFERENCE]

[WIXSON, B.G. (1991). The Society for Environmental Geochemistry and Health (SEGH) Task Force Approach to the Assessment of Lead in Soil. Trace Substances in Environmental Health . 11-20.]

Input Values Used in IEUBK Model for Lead (for residential exposure scenario)		
Parameter	**Value**	
Outdoor Air Pb Concentration (µg/m³)	**Constant Value: 0.1**	
Dietary Lead Intake (µg/day)	**Age (Years)**	**Input**
	0-1	2.26
	1-2	1.96
	2-3	2.13
	3-4	2.04
	4-5	1.95
	5-6	2.05
	6-7	2.22
Water Consumption (L/day)	**Age (Years)**	**Input**
	0-1	0.2
	1-2	0.5
	2-3	0.52
	3-4	0.53
	4-5	0.55
	5-6	0.58
	6-7	0.59
Use Alternate Water Value?	**NO**	
Lead concentration in drinking water (µg/L)	**4**	
MEDIA	**ABSORPTION FRACTION PERCENT**	
Soil	**30**	
Dust	**30**	
Water	**50**	
Diet	**50**	
Alternate	**0**	
Calculate PRG		
Select Age Group for Graph	**0 to 84 months**	
Change Cutoff	**TBD**	
Change GSD	**1.6**	
Probability of Exceeding the Cutoff	**5**	

Input Values Used in the Adult Lead Model (ALM) (for non-residential exposure scenario)			
Variable	**Description of Variable**	**Units**	**Value**
PbB$_{fetal, 0.95}$	**Target PbB in fetus**	**µg/dL**	**TBD**
R$_{fetal/maternal}$	**Fetal/maternal PbB ratio**	**--**	**0.9**
BKSF	**Biokinetic Slope Factor**	**µg/dL per µg/day**	**0.4**
GSD$_i$	**Geometric standard deviation PbB**	**--**	**1.8**
PbB$_0$	**Baseline PbB**	**µg/dL**	**0.6**

IR$_S$	Soil ingestion rate	g/day	0.050
AF$_{S, D}$	Absorption fraction	--	0.12
EF$_{S, D}$	Exposure frequency	days/yr	219
AT$_{S, D}$	Averaging time	days/yr	365